

PAT-NO: JP02005226034A  
DOCUMENT-IDENTIFIER: JP 2005226034 A  
TITLE: PHOSPHORUS FLAME RETARDANT ADDITIVE  
  
PUBN-DATE: August 25, 2005

INVENTOR-INFORMATION:

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APPL-NO: JP2004038277  
APPL-DATE: February 16, 2004

INT-CL C09K021/14 , C08K003/32 , C08L101/00 , C09D005/18 ,  
(IPC): C09D201/00 , C09K021/02 , C09K021/04

ABSTRACT:

PROBLEM TO BE SOLVED: To obtain a phosphorus flame retardant additive that has excellent resistance to moisture absorption and high dispersibility in the flame retardant additives that are used in thermoplastic resins, thermosetting resins, fibers, coating agents, resins such as sealants, or the like, and elastomers.

SOLUTION: This flame retardant additive comprises (A) 80 to 99.8 % mass of a gas generator that is selected from the group consisting of compounds each containing both phosphorus and nitrogen or a gas generator that is a mixture of a compound containing phosphorus and a compound containing nitrogen, (B) 0.2 to 20 % mass of a silicone resin comprising M units of the average formula: R<sub>3</sub>SiO<sub>0.5</sub> (wherein R<sub>s</sub> are identical or different groups selected from unsubstituted or

substituted hydrocarbon groups of 1-30 carbon atoms) and Q units represented by the average formula:  $\text{SiO}_2$ , as main components.

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